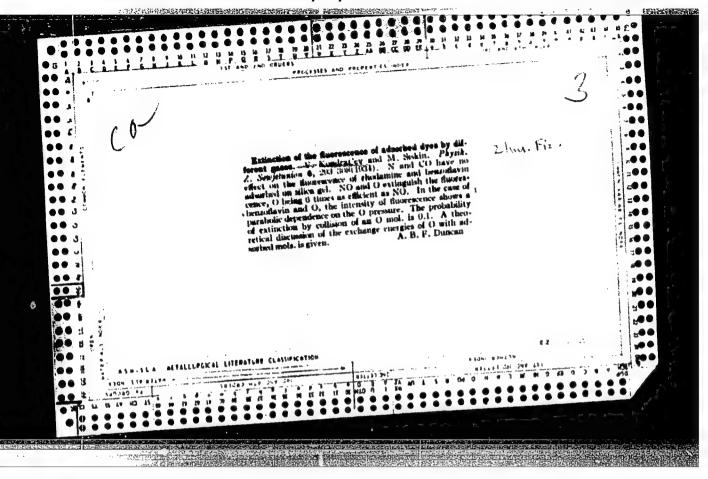
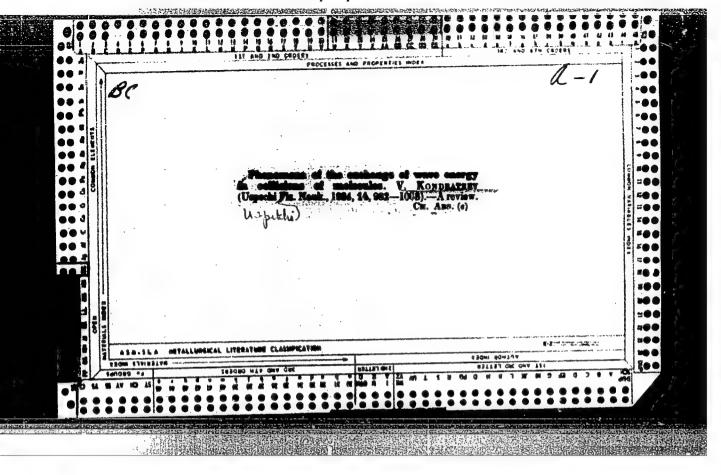
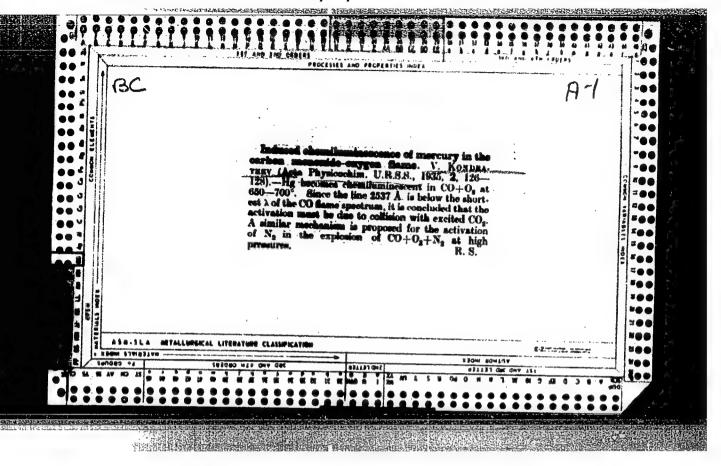


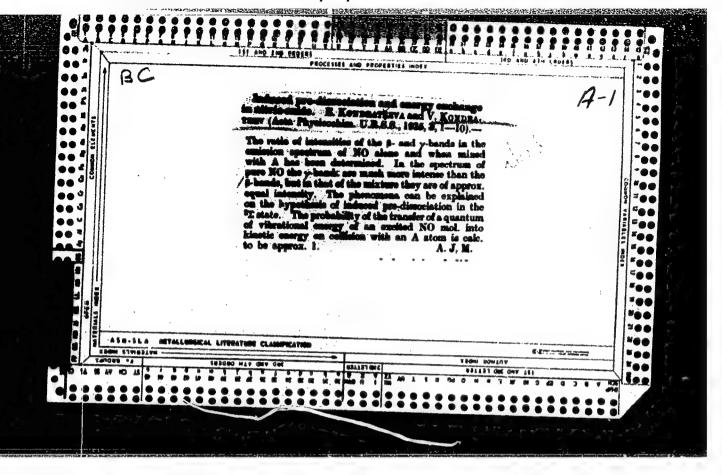
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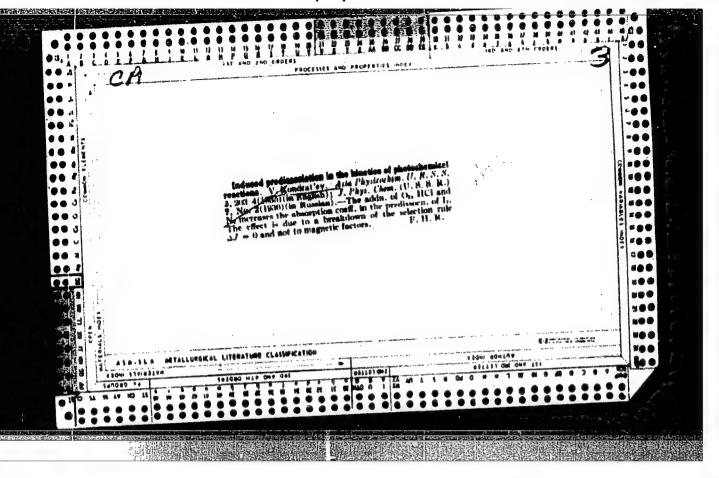
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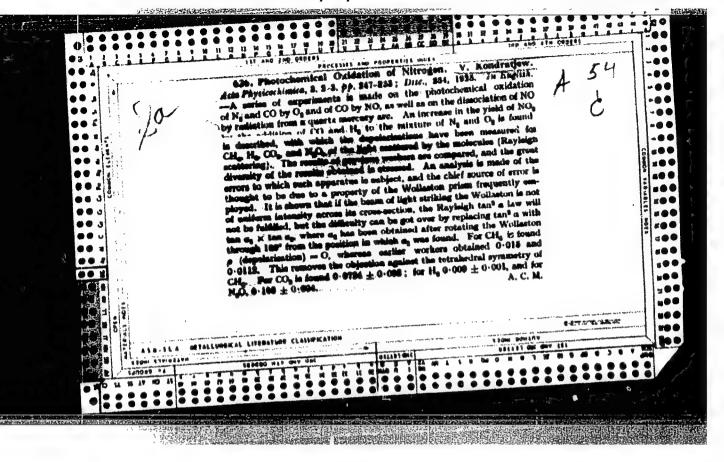


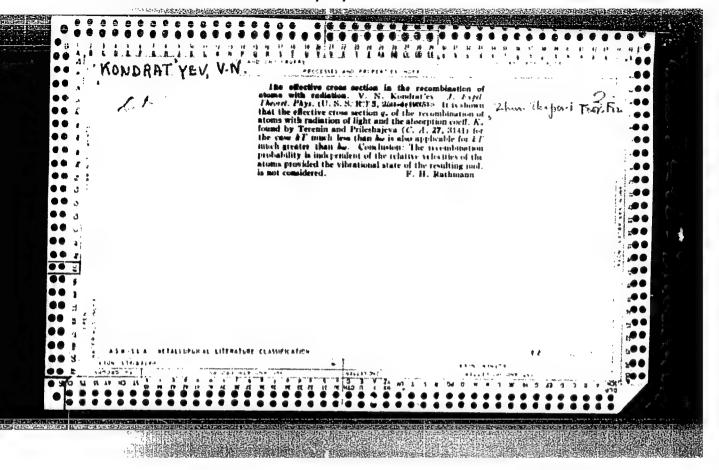


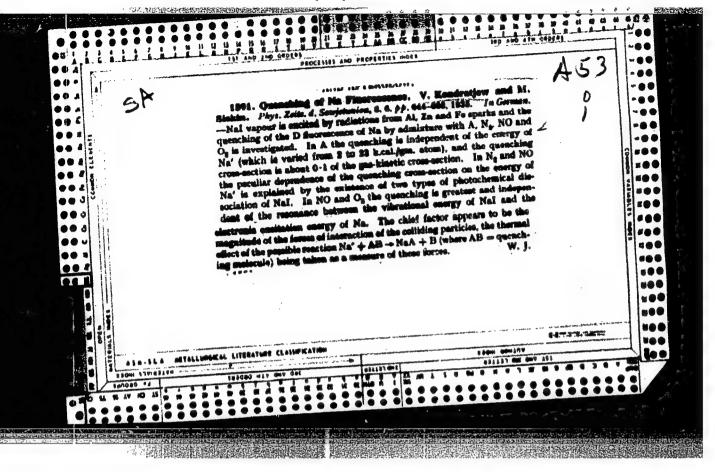


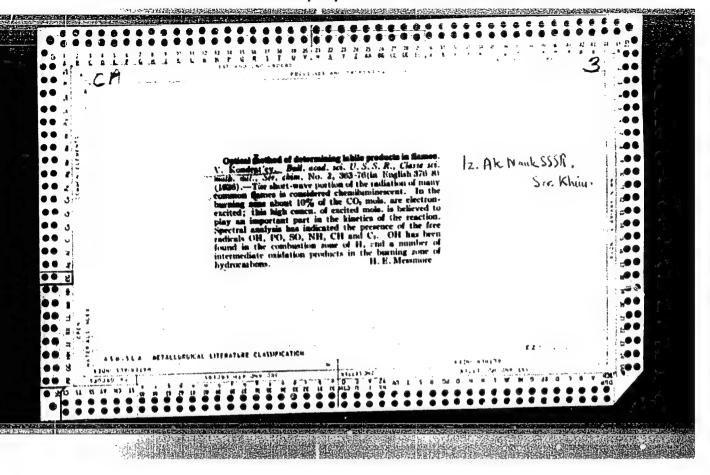


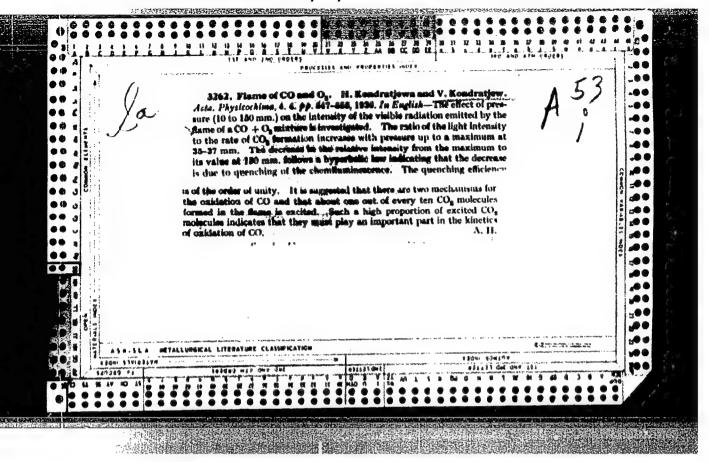


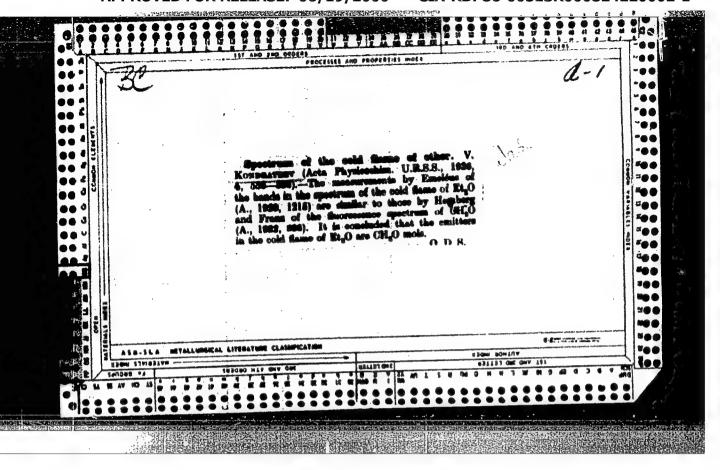


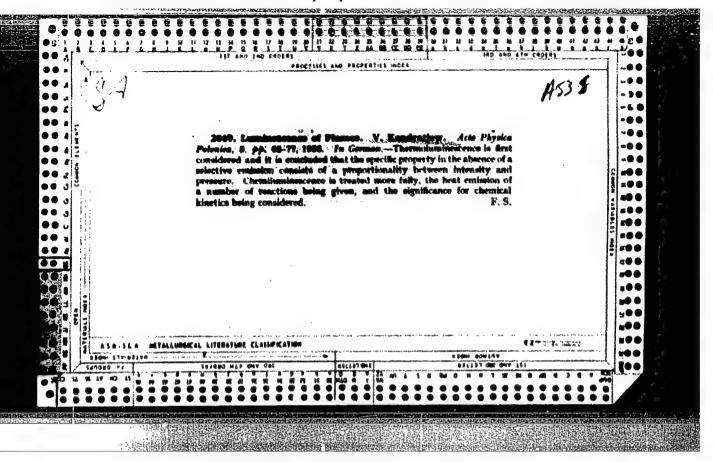


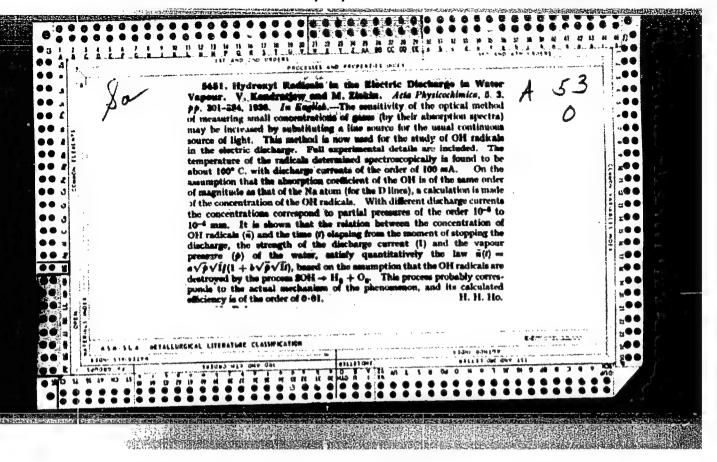


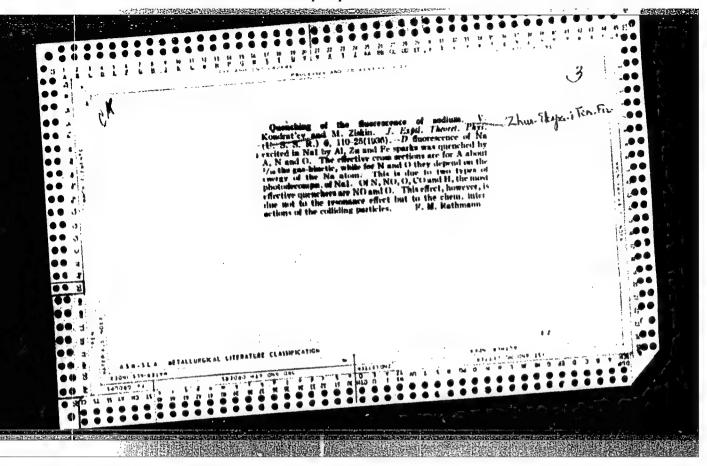


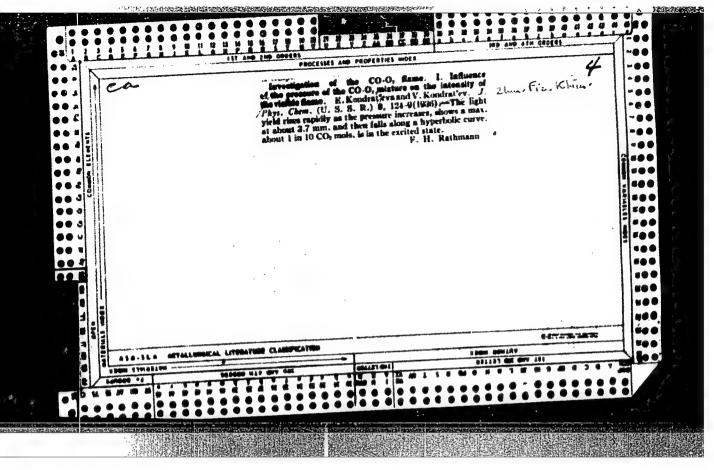


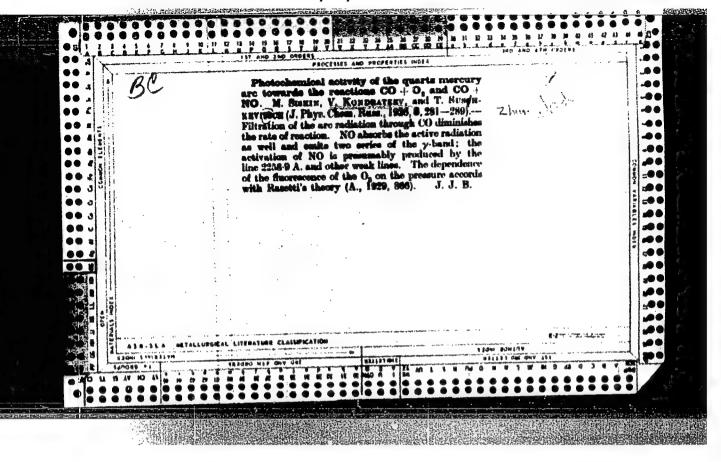


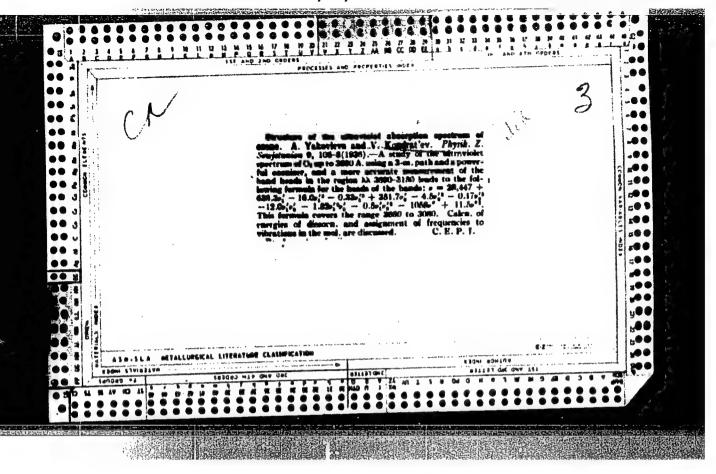


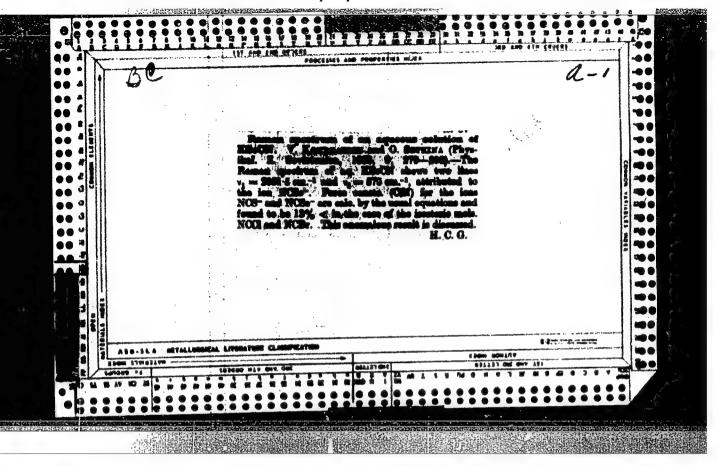


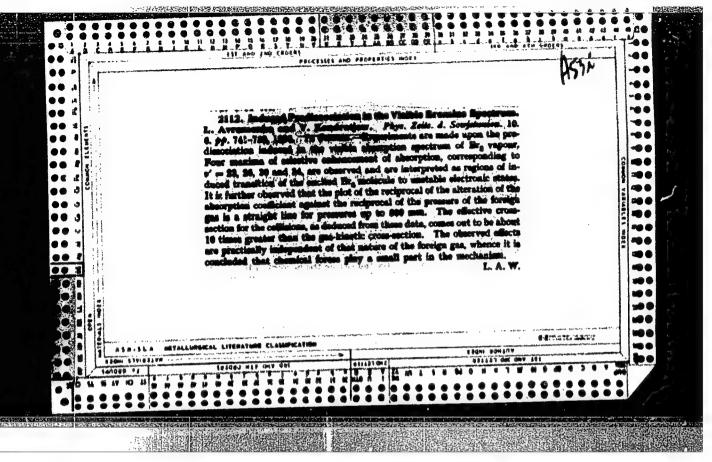


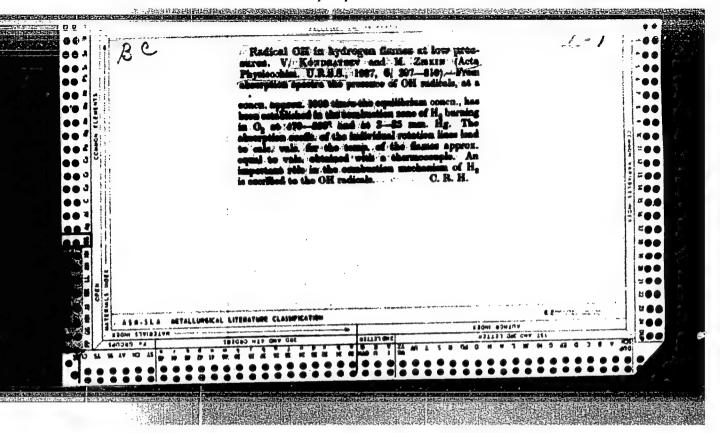


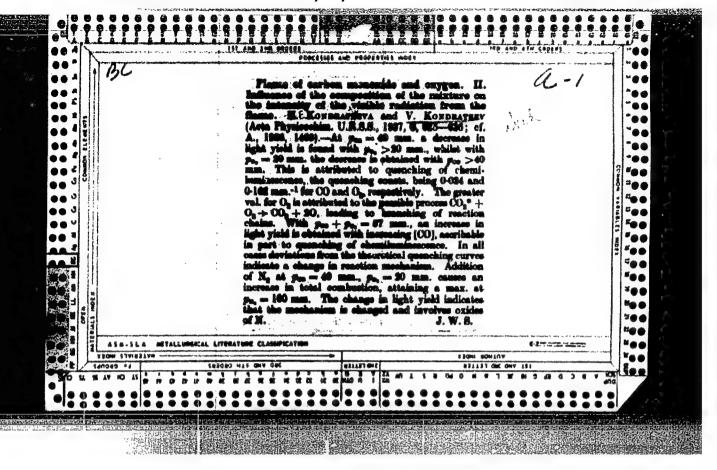


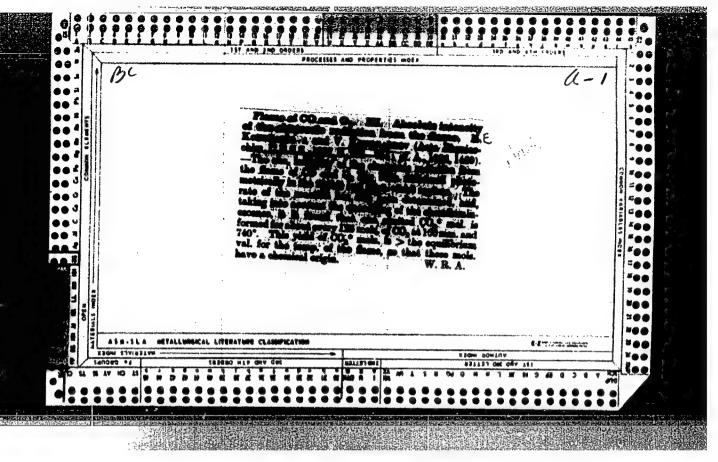


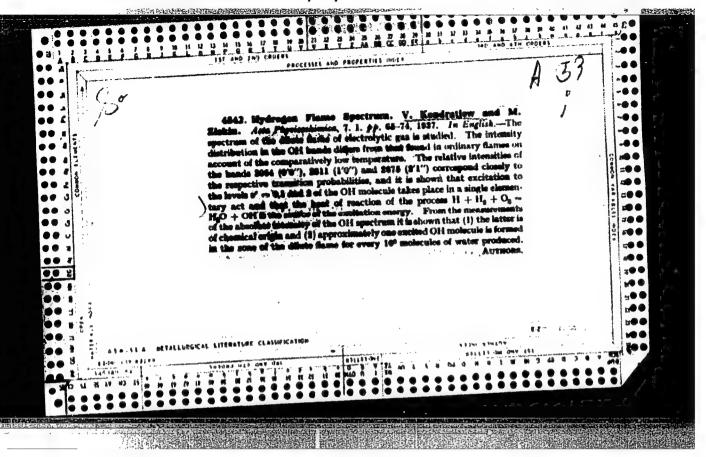


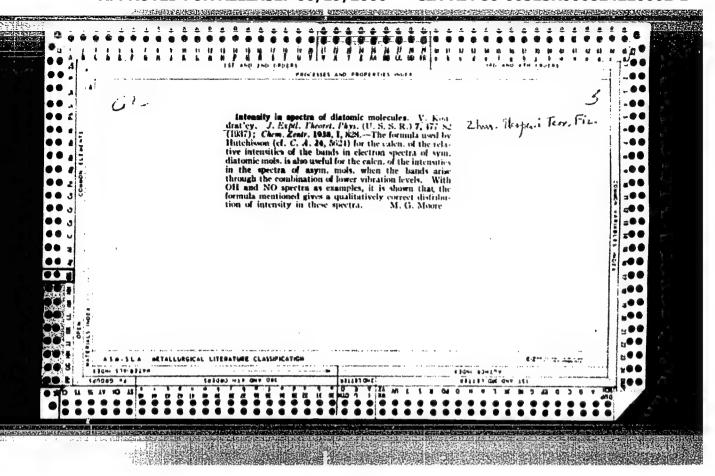


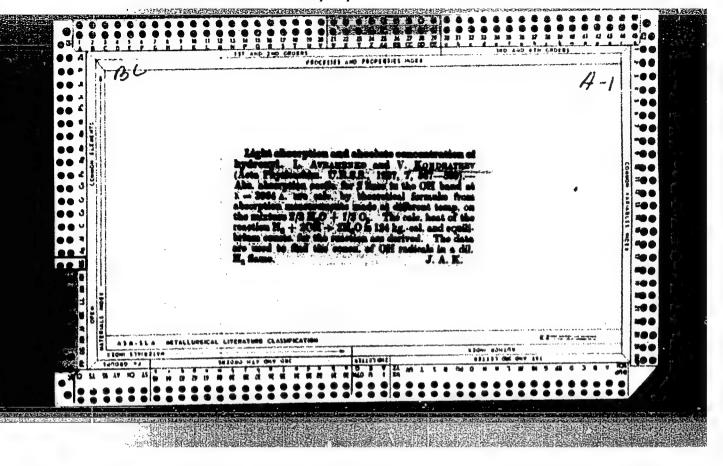


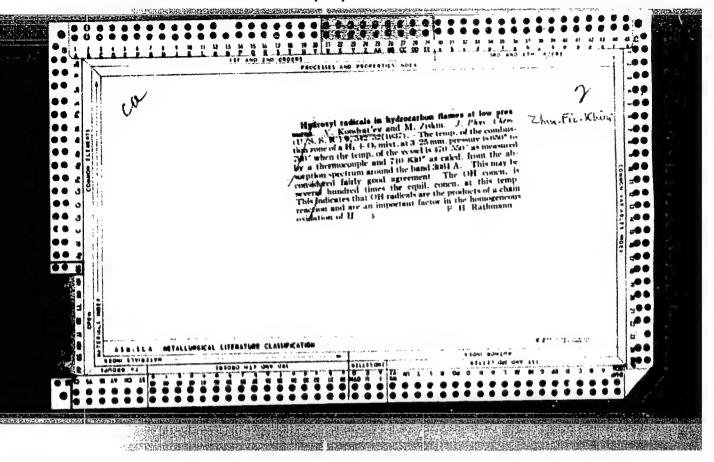


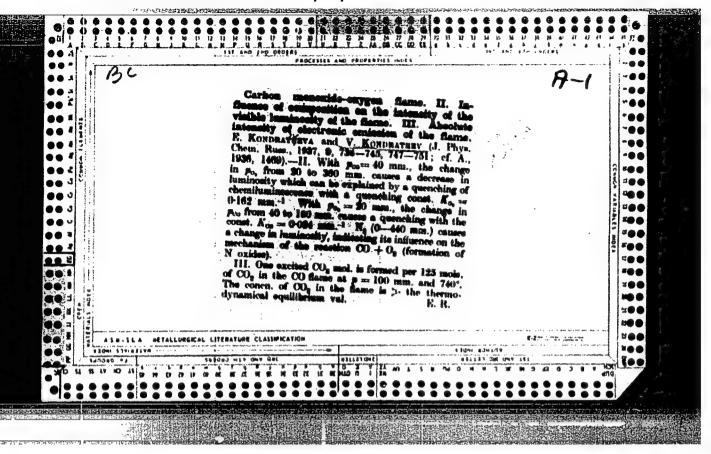


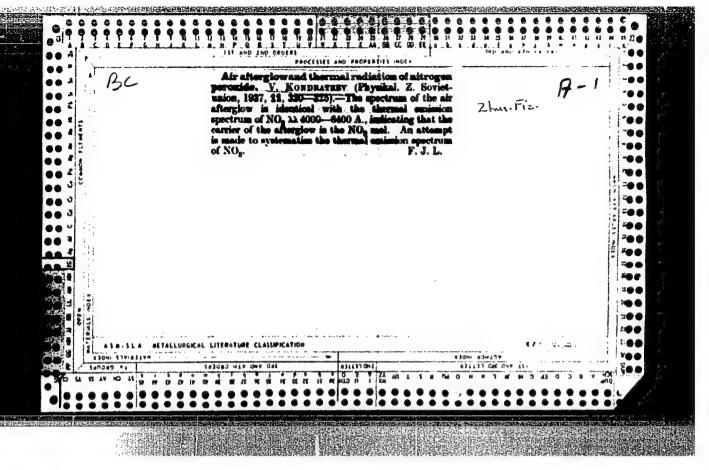


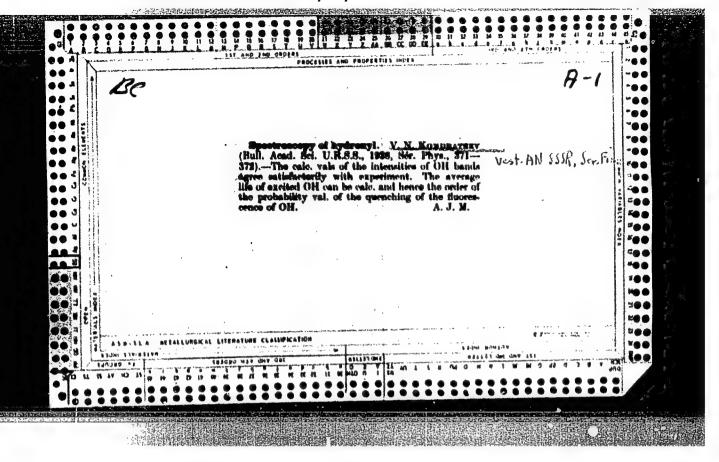


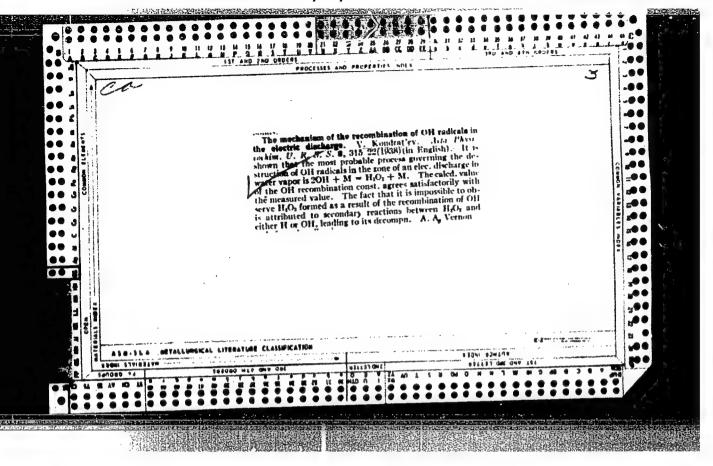


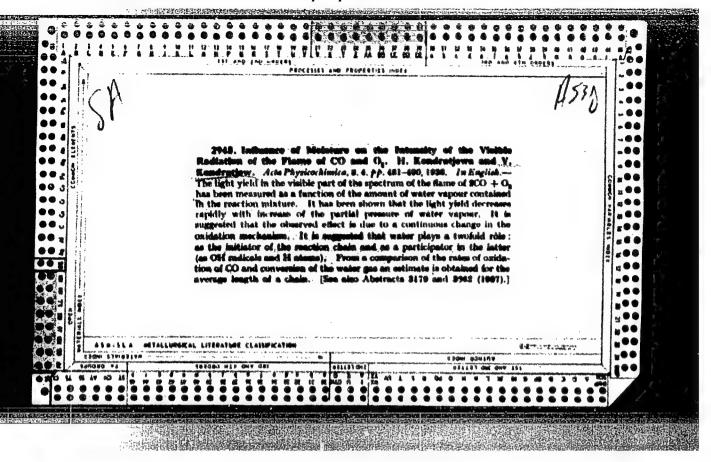


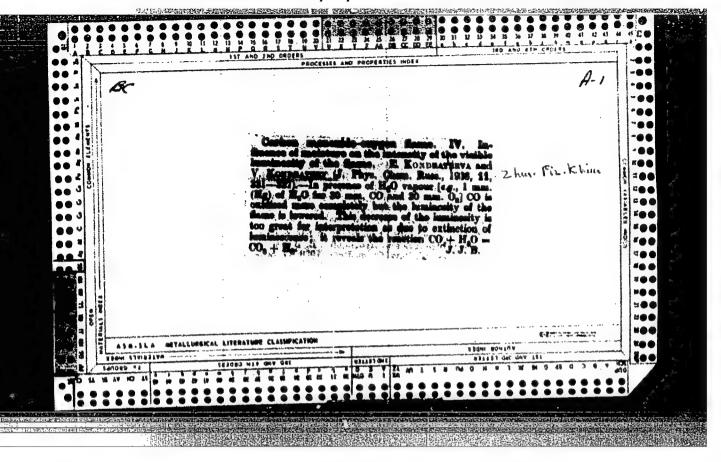


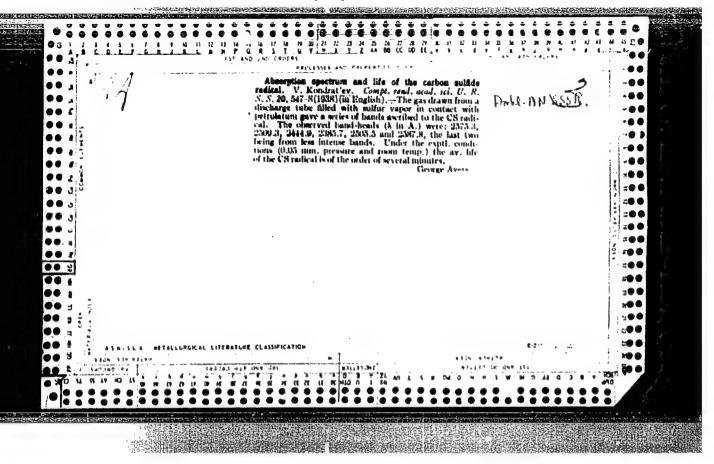


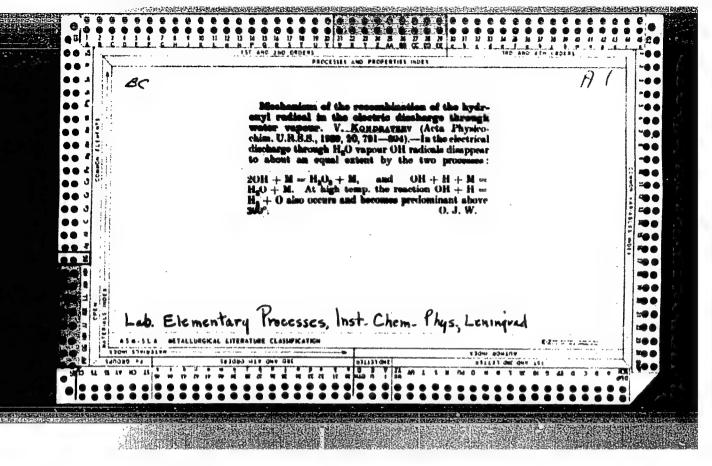


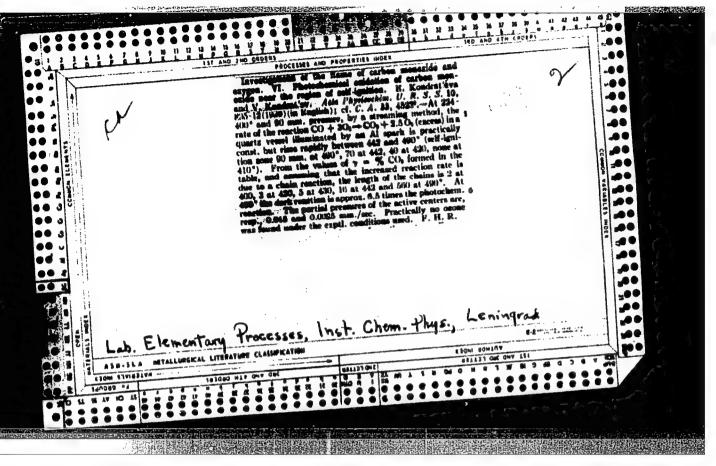


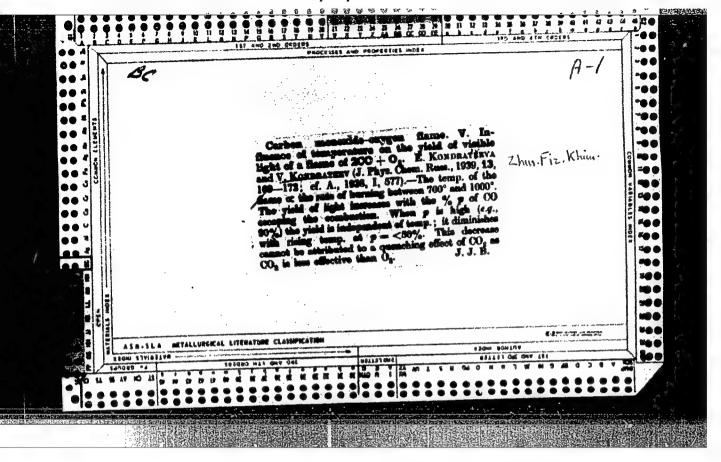


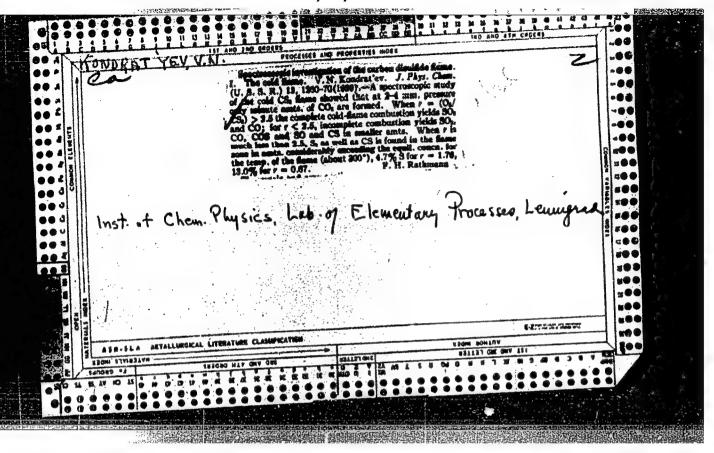


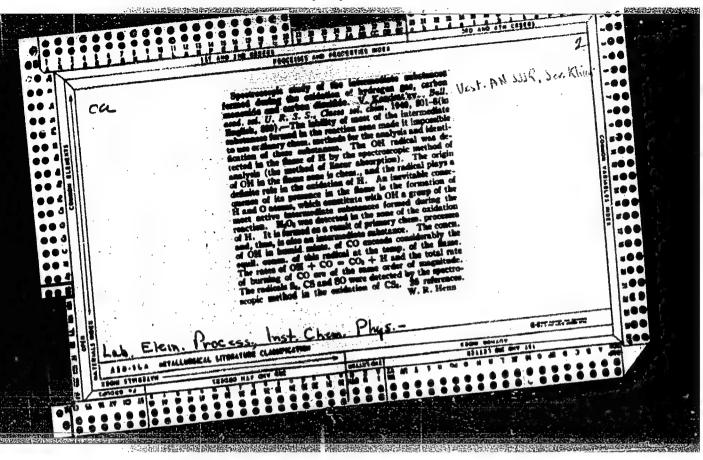






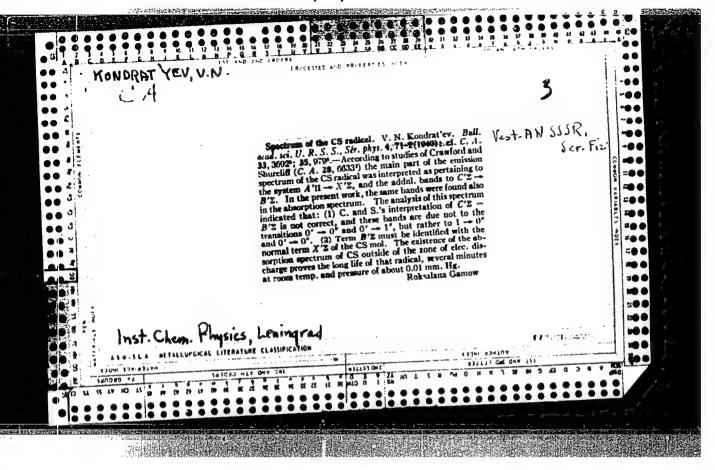


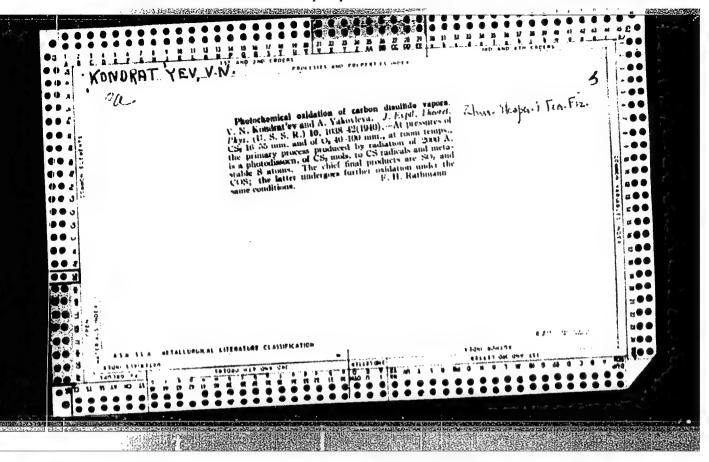


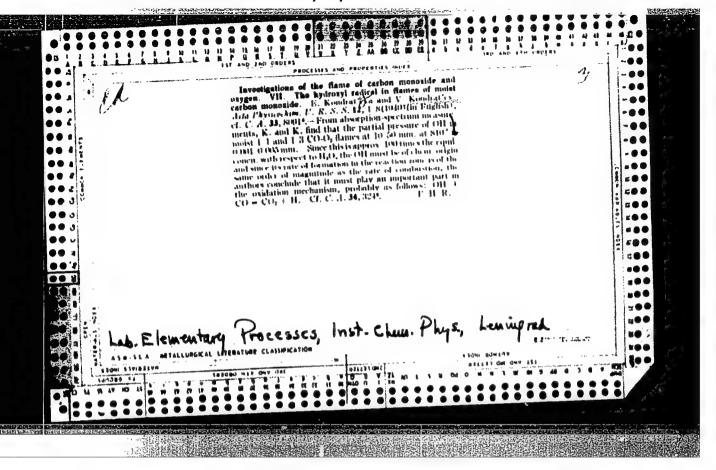


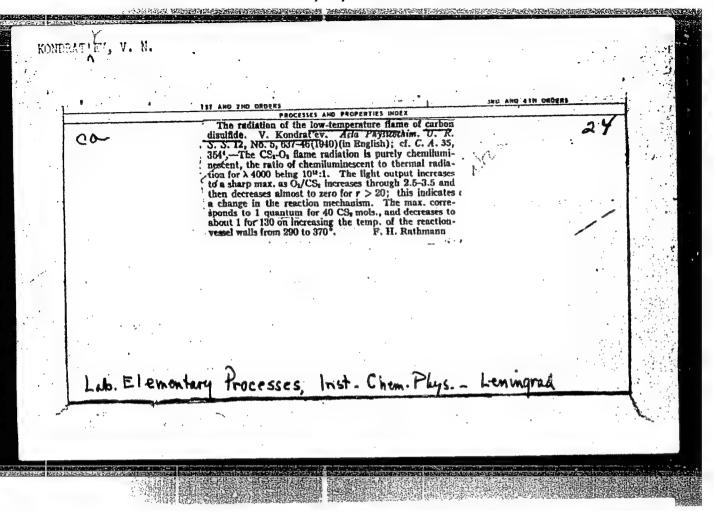
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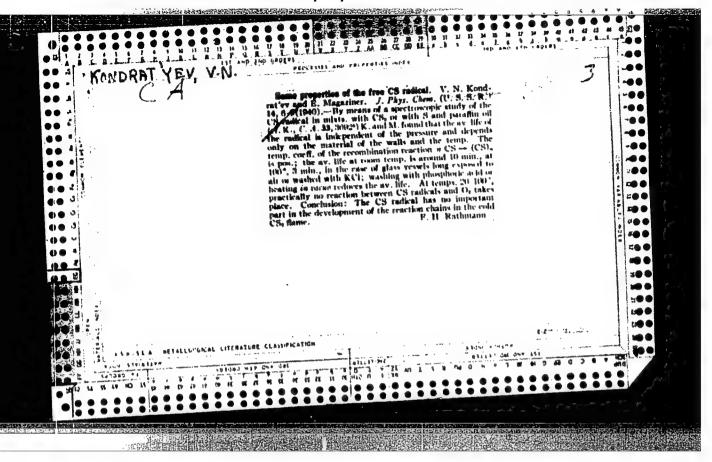


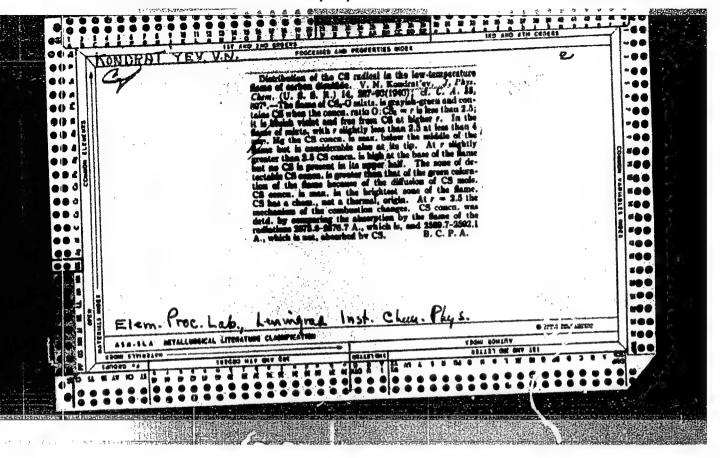


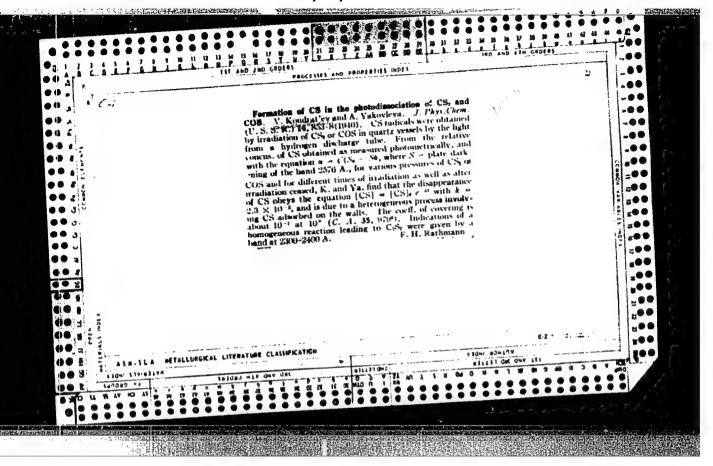
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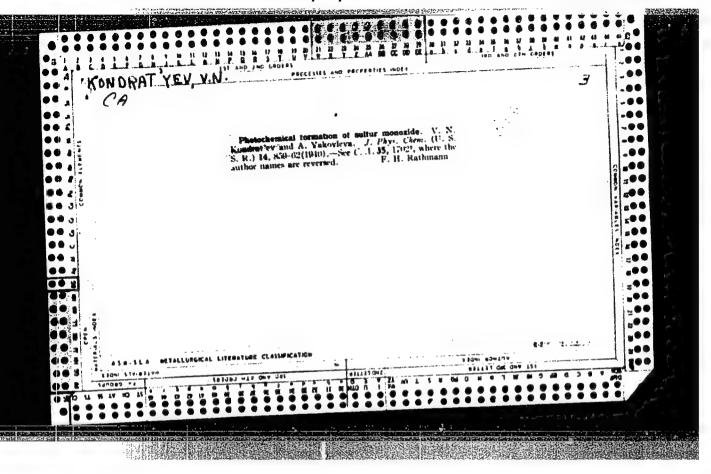
"Studies of the Flames of CO and O2", Zhur. Fiz. Khim., Vol. 14, No 1, 1940.

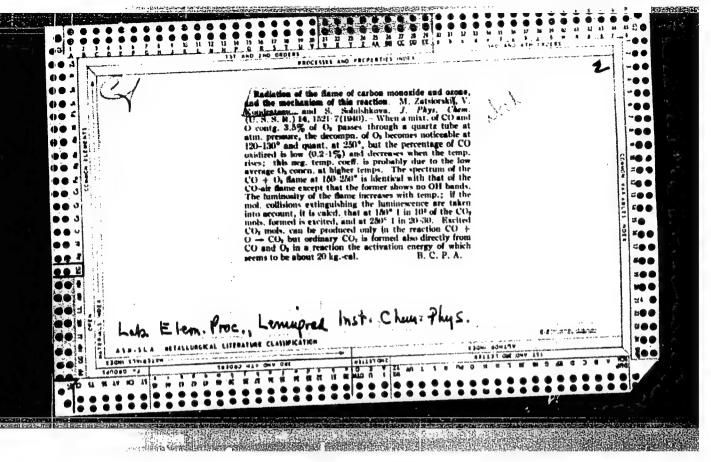
Lab. of Elementary Processes, Leningrad Inst. of Chemical Physics.

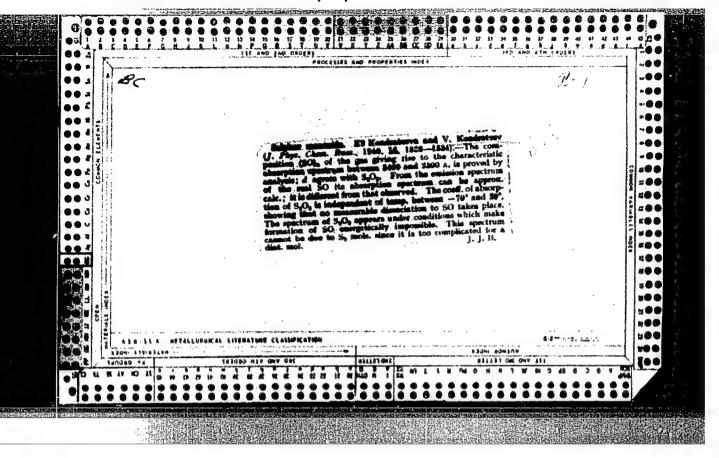


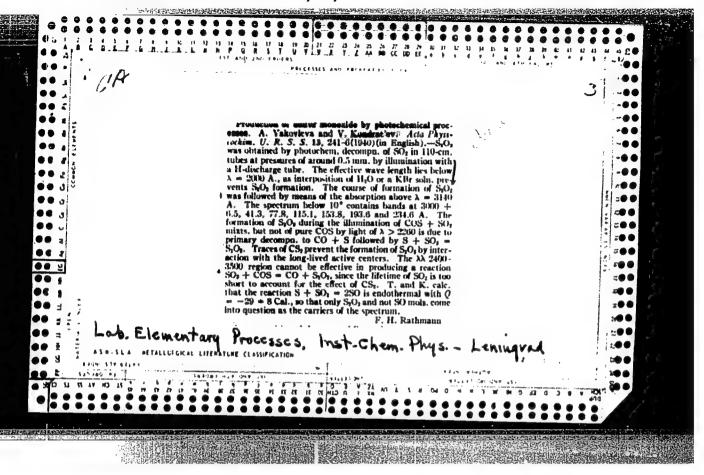


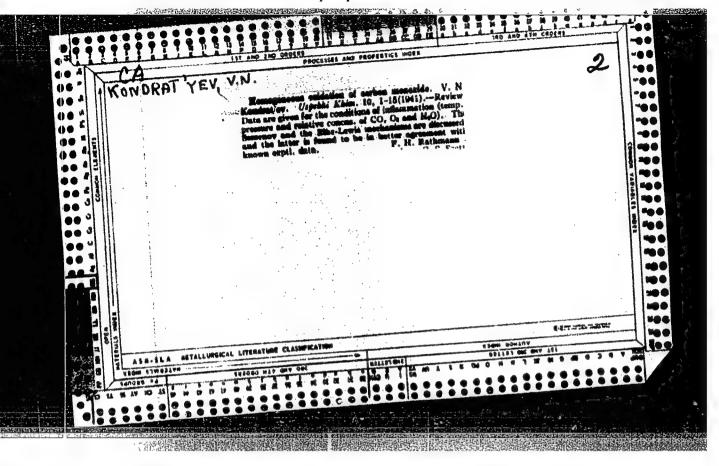


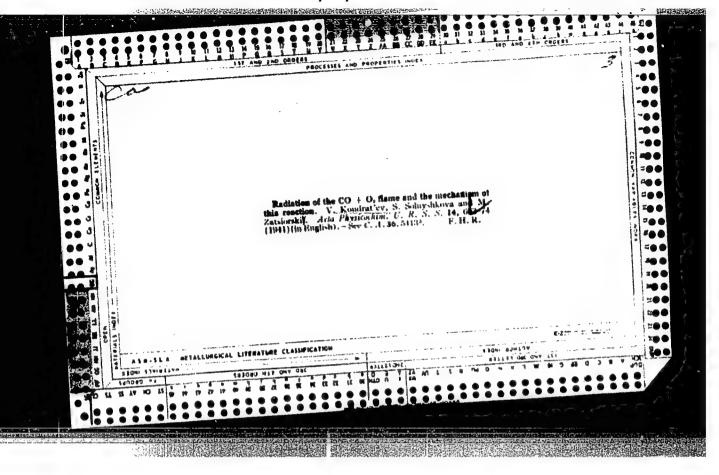


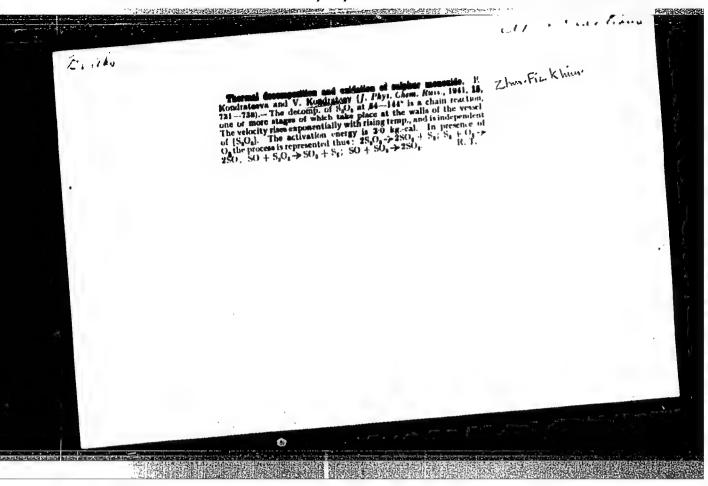


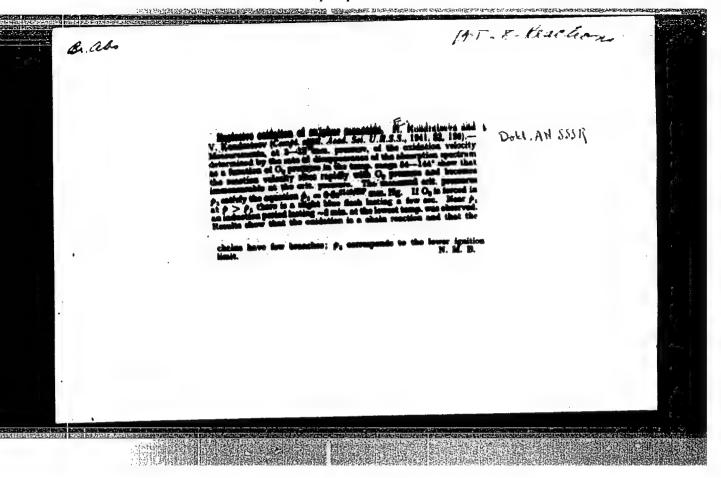


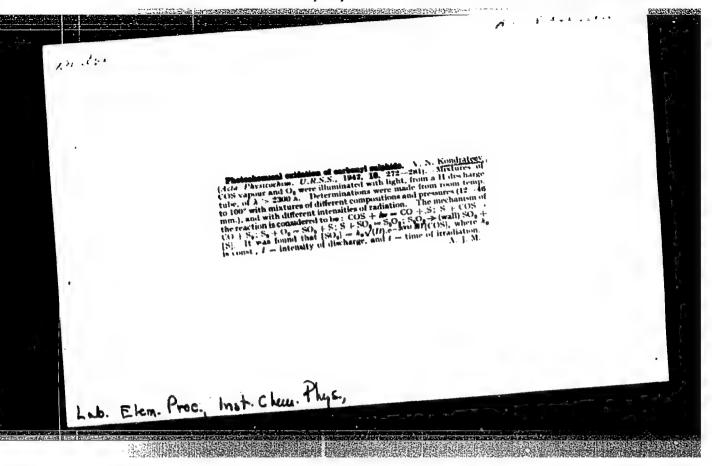


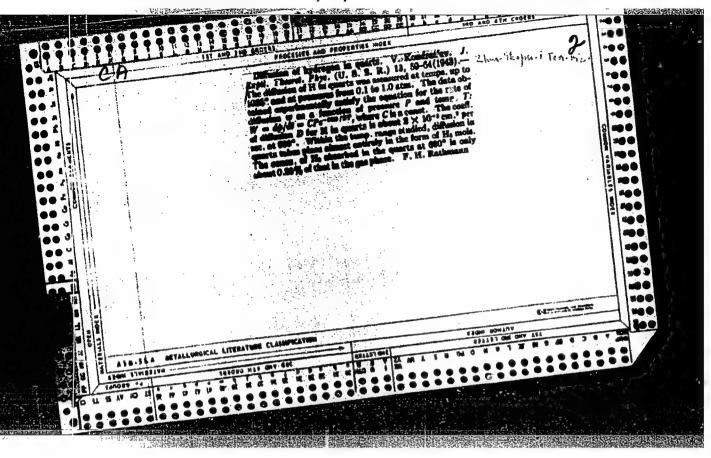


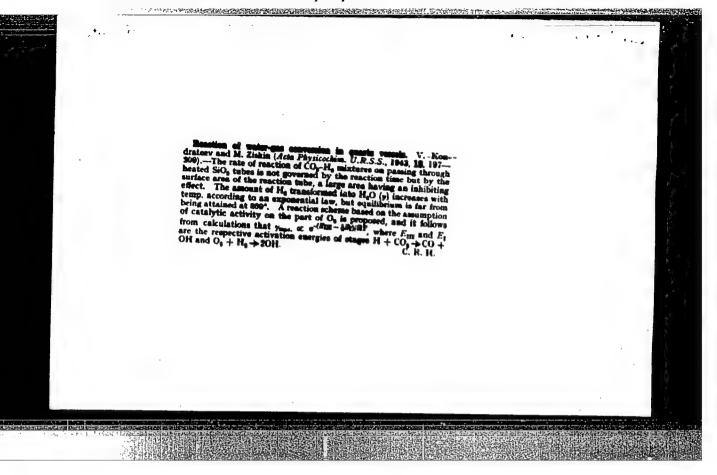


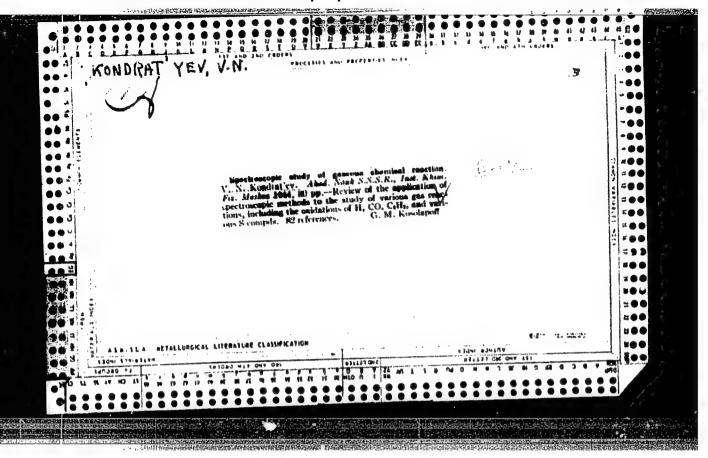


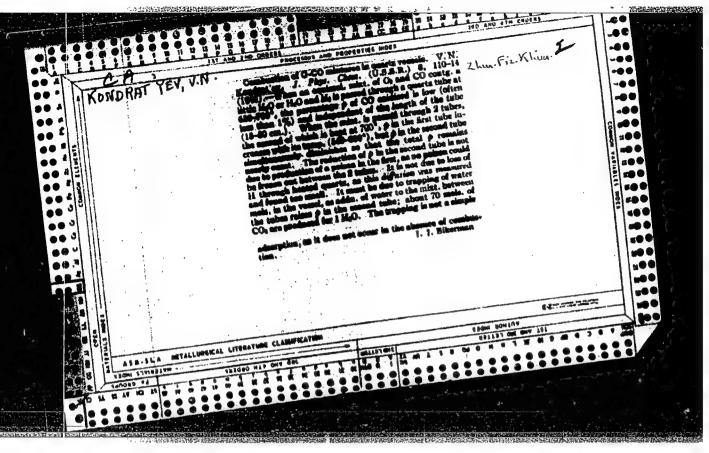


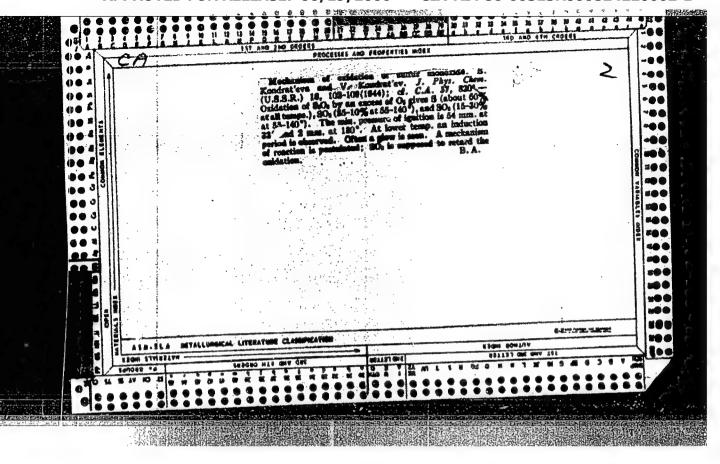


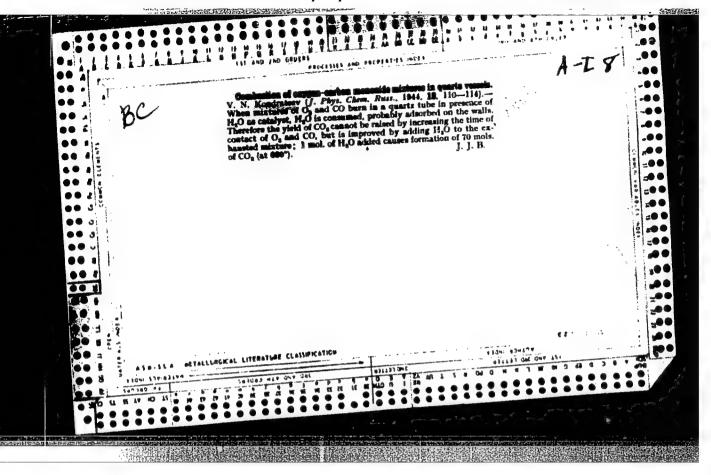


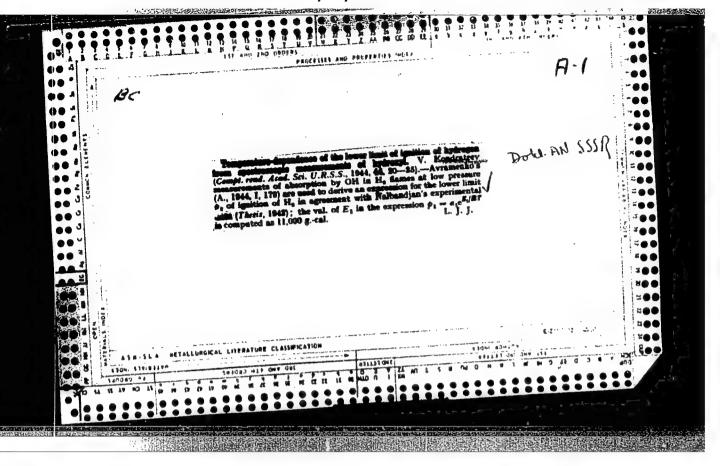


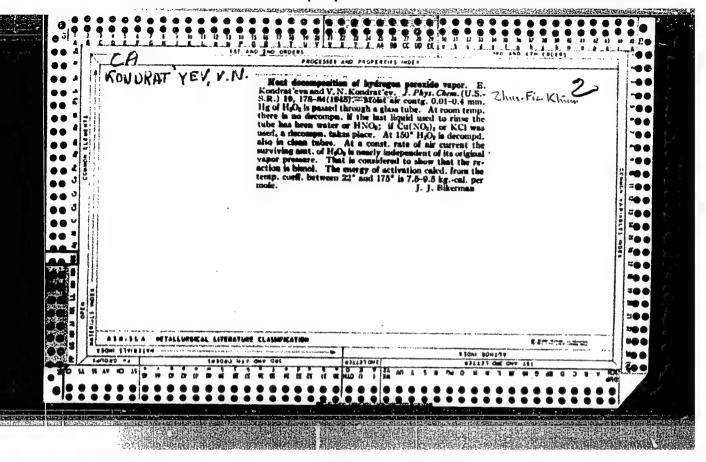


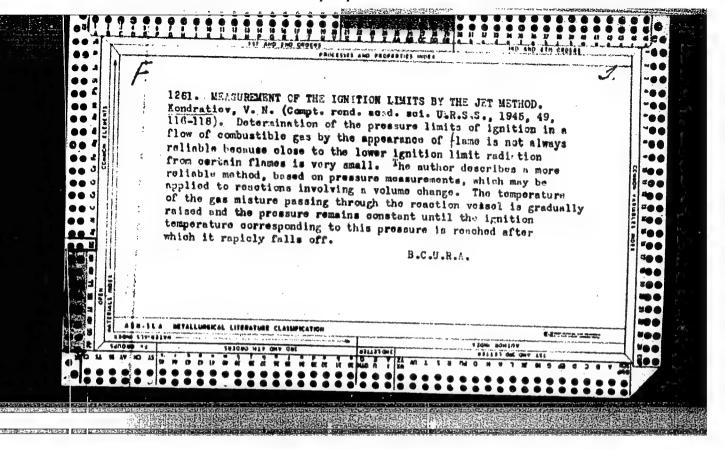












KOHDINTER, V. N.

PA 4T65

URSE/Physical Country - Combustion Carbon monoxide

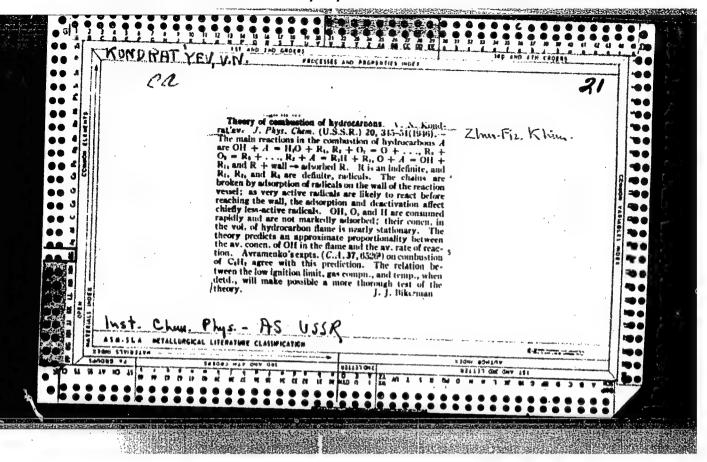
1945

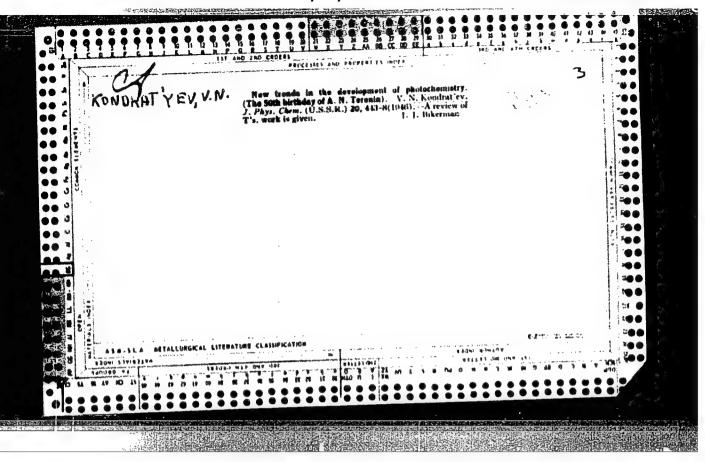
"Shift in the Ignition Limits for Carbon Monoxide with Small Admixtures of Hydrogen," V. N. Kondratiev,

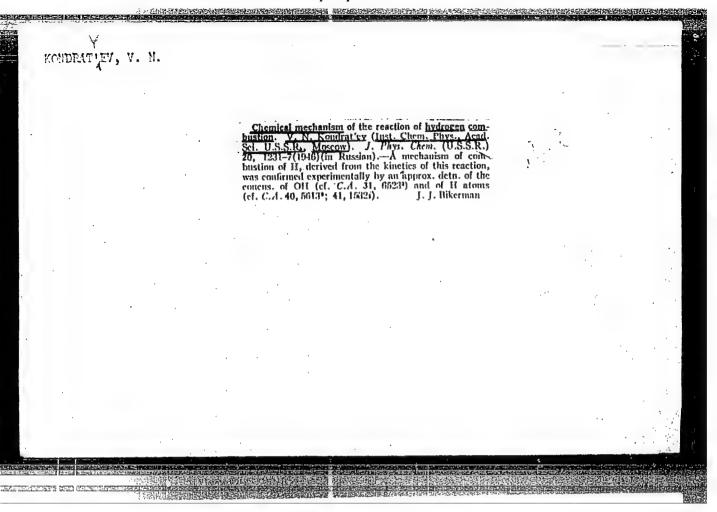
"CR Acad Sci" Vol XIII, No 1

A mathematical investigation, based on the mechanics of carbon-monoxide combustion, of the effect previously reported by M. Ashkinazi of the Institute of Chemical Physics, where admixture of a few hundreths of a percent of hydrogen lowered the lower limit and raised the upper limit of ignition of an oxygen mixture of carbon monoxide.

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	Catalytic r	cesses and redresses were combination of active centers and it	s appli	
	Chein. Phys. Chem. (U.S. C.A. 40, 561)	remining their concentration in the second and the second and seco	Physica that ; D. flame the walls 0° and:	Comon pagin
				indices :

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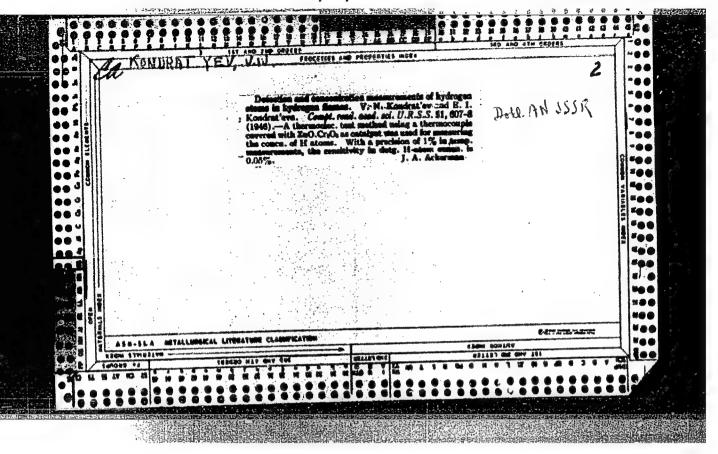
USSR/Chemistry - Hydrogen, Flames of Chemistry - Hydrogen, Atomic Jul/Aug 1946

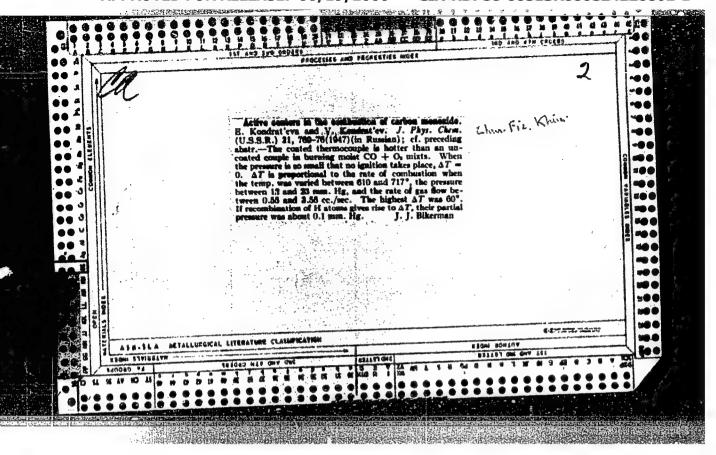
"Hydrogen Atoms in Hydrogen Flames," H. Kondratieva, V. Kondratiev, Inst Chem Phys, Acad Sci USSR, Moscow, 12 pp

"Acta Physicochimica URSS" Vol XXI, No 4

Measurements of H atom in hydrogen flames burning in  $\mu_2+0_2$ ,  $2\mu_2+0_2$ ,  $\mu_2+0_2$ ,  $\mu_2+0_2$  mixtures by thermoelectric probe method. Results agree quantitatively with assumed mechanism of hydrogen combustion. Received 3 Dec 1945.

PA 52T1





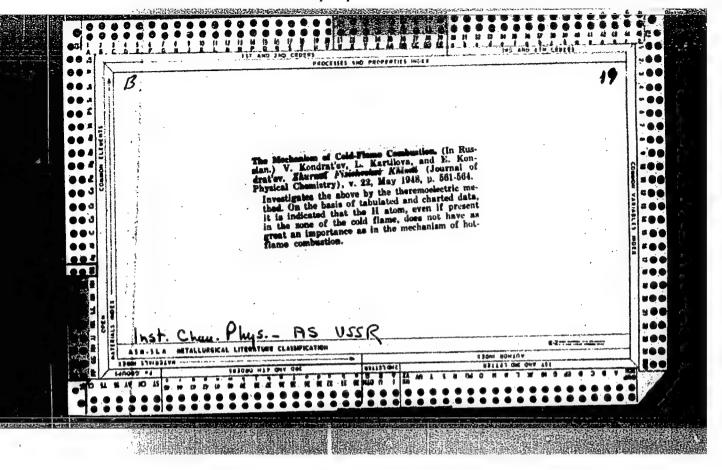
Mar/Apr 1948
Atomic Structures

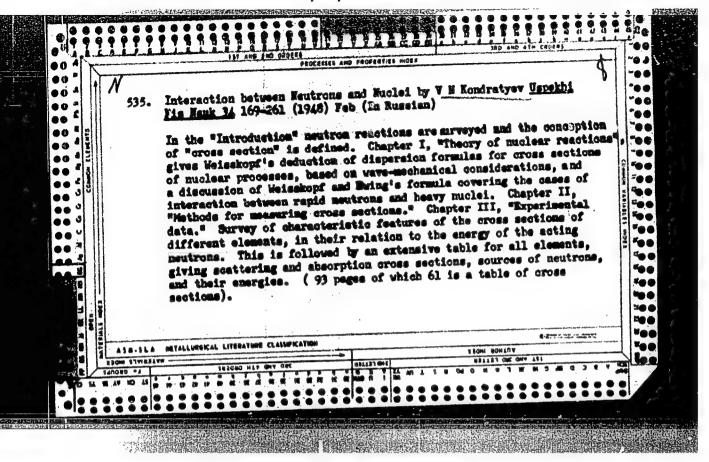
"Review of 'Structure of Atoms and Molecules' by V. M.
Kondrat'yev," M. V. Vol'kenshteyn, 22 pp

"Izvest Ahe Mauk SSSR, Otd. Khim Mauk" No 2

This book meets requirements of growing interest by Soviet reading public in field of structure of matter. Book is too basic and general to be used as a text for scientific students or technicians. Published in Moscow and Leningrad 1946.

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Wondprative, V. N.

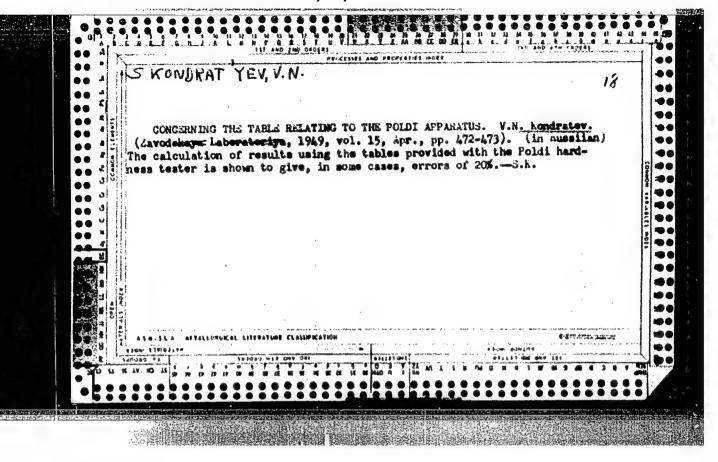
DESCR/Chemistry - Commestion
Chemistry - Spectroscopy

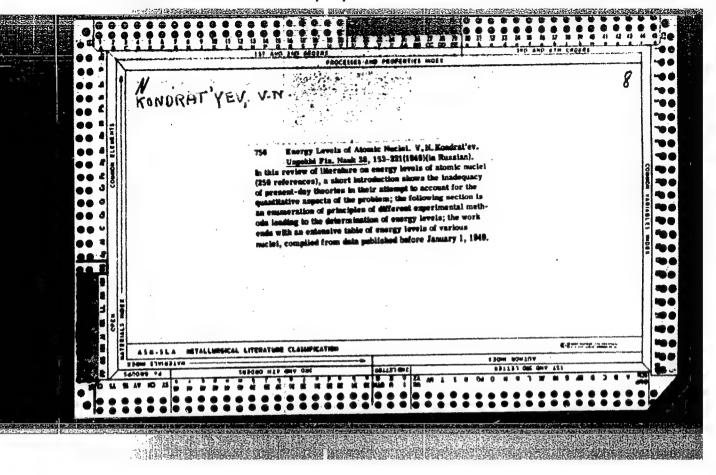
"The Division of Active Centers of Reaction in the Combustion Zone," V. N. Kondrativev, 8 pp

"Uspekhi Fiz Nauk" Vol XXIVI, No 3

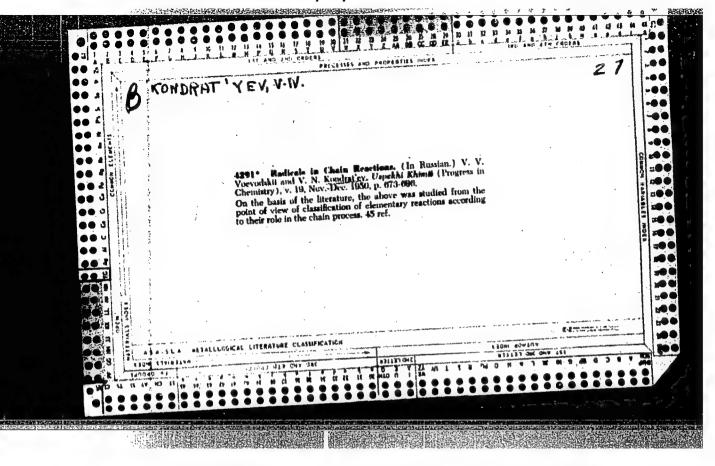
Describes method permitting experimental observation of chemical processes in flames by using system involving absorption spectroscope. Refers to several articles author has had published. Includes various graphs of data obtained by mathematical formulas which are explained.

37/A9711



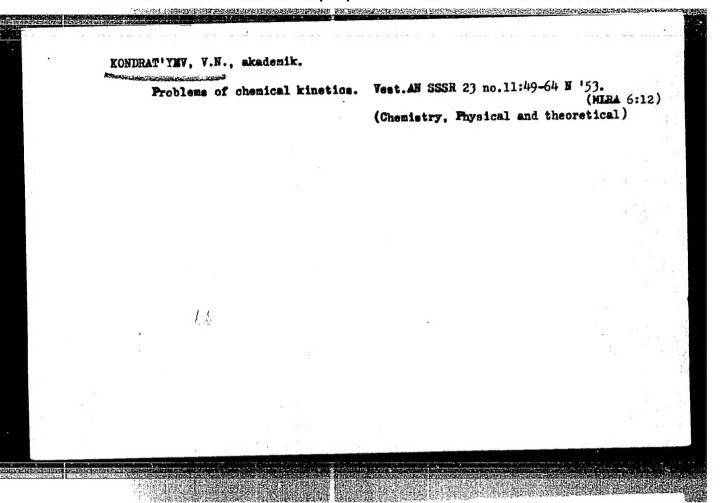


KOMDTATIEV, V. II. 1220. Kondrat'ev, G. M., Application of the theory of regular cooling of a two-component sphere to the determination of heat conductivity of poor heat conductors (method, "sphere in a sphere") (in Bussian), I.e. Akur. Nauk SSSR Out tekh. Nauk no. 4, 536-512, Apr. 1950. 12. Ak. Nauk SSSR Otal Tokk Name Bicalorimeter is a spherical body formed by a spherical kernel of metal which is surrounded by a concentric layer of poor heat." conductor (thermic insulator). Mathematical theory of heat conduction in such solids is well known. If one can calculate with an infinite film-transfer factor between the kernel and the insulating layer, the theory gives simple results suitable for experimental determination of thermal conductivity of the insulator. The paper deals with two modifications of the "sphere-in-sphere" method. Both of them are very intuitive and can be accomplished without expensive and complicated mechanism. For this reason, reviewer recommends them to physicists and engineers, The second modification especially is very important for the following two advantages: (a) The determination of the thermal conductivity of the insulator can be accomplished without knowledge of its thermometric conductivity. (b) The dimensions of the bicalorimeter can be chosen in such a way that results of sufficient physical and technical exactness can be obtained with even an approximate knowledge (or only with an estimate) of the specific heat of the insulator, V. Vodicka, Czechoslovakia



"Measurement of the Concentration of Atoms in Flames With the Aid of Mo, Karmilova, V. N. Kondrat'yev, Inst Acad Sci USSR, Moscow  "Zhur Fiz Khim" Vol XXV, No 3, pp 3  Measurement of intensity of yellow-incandescence extends use of Gaydon for qual detn of at 0 in flames with quant detn of its concn. According method, concn of at 0 in hot CO flames and order as equil concn (at flame 2,600°abs). Since introduction of 1  USSR/Chemistry - Combustion (Contd) combustion conditions, measured concreferred to changed conditions.
the Concentration of Oxygen With the Aid of NO," L. V.  N. Kondrat'yev, Inst Phys Chem, Moscov  Vol XXV, No 3, pp 312-322  Intensity of yellow-green No extends use of Gaydon's method if at 0 in flames with NO to the concen. According to this fat 0 in hot CO flames is of quil conce (at flame temps) ince introduction of MO changes 18578  - Combustion (Contd)  Mar 5  itions, measured concn must be niged conditions.

KONDRAT'YEV, V.H., chlen-korrespondent. [Structure and chemical properties of molecules] Stroenie i khimicheskie (MLRA 6:10) svoistva molekul. Hoskva, Izd-vo "Znanie," 1953. 31 p. (Molecul) 1. Akademiya nauk SSSR. 



KONDRATYEN V.N.

TERENIN, A.N., akademik; KONDRAT'YEV, V.N., akademik; KHUNYANTS, I.L., akademik; KABACHNIK, M.T.; SOKOLOV, N.D., doktor fiz.-mat. nauk; HEUTOV, O.A., doktor khimicheskikh nauk; MOSKVICHEVA, H.I., tekhnicheskiy redaktor

[Status of the theory of chemical structure in organic chemistry]
Sostoianie teorii khimicheskogo stroeniia v organicheskoi khimii.
Moskva, Isd-vo Akademii nauk SSSR, 1954, 122 p. [Microfilm]
(MIRA 7:10)

1. Chlen-korrespondent AN SSSR (for Kabachnik) 2. Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk (Chemical structure) (Chemistry, Organic)

KONDRATIVEV V N FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220002-1

"Application of Tracer Atoms in the Study of the Process of Chemical Reactions," a paper presented at the Atoms for Feace Conference, "eneva, Switzer-land, 1955

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KONDRAT'YMY, V.N., akademik, redaktor; EMANUEL', N.M., doktor khimicheskikh

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